



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES



Volume: 01

Issue: 05

Oct – Dec 2024

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# ARO HANA

An official publication of M S Ramaiah University of Applied Sciences



**Innovation in Action!**

RUAS welcomes students nationwide to showcase brilliance  
at the Smart India Hackathon, shaping a smarter future!



# Editorial Message

## Greetings to all our esteemed readers,

It gives me immense pleasure to present the latest issue of Arohana, reflecting our commitment to advancing education through innovation, collaboration, and continuous learning. As we navigate the evolving educational landscape, we must embrace transformative strategies to achieve the highest standards, much like Finland's progressive and student-centric system.

Teachers are recognized as the cornerstone of quality education, a sentiment deeply valued by the Finnish people. They are the first individuals, apart from parents and family members, with whom children spend the most time. This understanding has driven Finnish leaders to prioritize teacher capacity building through continuous professional development (CPD) and enhancing teachers' professional skills.

To be effective, educators must exemplify lifelong learning by continually reskilling and upskilling. My well-known notion, "No students, no teachers; no teachers, no institutions," highlights the interconnectedness of students, teachers, and educational institutions. It is encouraging to see our teachers actively engage in upskilling programs, reflected in our students' achievements.

Leading Arohana has been a delightful and fulfilling responsibility. I extend my heartfelt gratitude to the authors, reviewers, and the editorial team for their dedication. Together, we can transform our educational ecosystem and create future-ready professionals who will make a significant impact on society.

**Dr. Pushpanjali K**

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# CONVERSATION THAT COUNTS





# Professor R.V. Ranganath: A Journey in Academics and Vision for the Future



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**Professor R.V. Ranganath**  
Dean - Academics Affairs

We are pleased to feature **Professor R.V. Ranganath**, Dean of Academics at **MS Ramaiah University of Applied Sciences (RUAS)**, in this special interview. Professor Ranganath, an alumnus of Mysore University (BE), NIE, and IIT Delhi (MTech and PhD), has made significant contributions to the field of civil engineering. His expertise includes fly ash concrete, self-compacting concrete, and geopolymers concrete. He has published over 60 research papers and guided seven PhD scholars.

In addition to his academic pursuits, Professor Ranganath has been an influential personality in the **Indian Concrete Institute (ICI)** and the **Association of Consulting Civil Engineers (ACCE)**. He has organized several seminars and conferences in these forums. His distinguished career includes roles as **Head of the Civil Department**, **Dean of Academics**, and **Principal at BMS Institute of technology**. He has received prestigious accolades such as the **AICTE Career Award for Young Teachers** and the **FOSROC Award from ICI** for Outstanding Concrete Technologist in India.

Professor Ranganath's commitment to education is further demonstrated through his role as a **master trainer for accreditation** at the national level. He has served as a resource person for the **National Board for Accreditation (NBA)**, training evaluators across India and conducting awareness programs for the past decade.

Professor Ranganath shares his insights with Mr. Akshay PM and Ms. Mahalakshmi from Faculty of Engineering and Technology.

## Academic Journey and Experience

**Student:** Professor Ranganath, can you share with us your journey in academics and how it has shaped your career?

**Professor R.V. Ranganath:** It has been a long journey that began in 1999, when I joined **BMS College of Engineering** as an Assistant Professor. BMS College is a well-known institution in Bangalore with over 75 years of history. Over time, I moved up the ranks to Associate Professor and then to Professor. I had the privilege of serving as the **Head of the Civil Department** for six years, which was a significant experience in leadership. When BMS College became autonomous, I was appointed as the **Dean of Academics**, where I helped to establish the regulatory framework and rules for the institution's autonomy.

After a successful tenure at BMS in the leadership, I was appointed as the Principal of **BMS Institute of Technology**, which is a sister institution. I joined **MS Ramaiah University of Applied Sciences (RUAS)** after my superannuation. At RUAS, I continue to focus on academic excellence and institutional development.

## Vision for the Future: Washington Accord and Accreditation

**Student:** What are some of the key initiatives you are currently working on at RUAS, and how do they relate to global standards?

**Professor R.V. Ranganath:** At RUAS, my primary focus is aligning the University with the **Washington Accord**, an international agreement between 25 countries to standardize engineering education globally. The goal is to ensure that engineering graduates from accredited

institutions possess competencies that are accepted worldwide. This international recognition allows students to be recognized globally and enhances their mobility in the job market. India's involvement in the Washington Accord is essential for advancing the recognition of our engineering programs globally. Additionally, I was nominated to evaluate the accreditation system in Turkey as part of the Washington Accord. I spent 10 days last year visiting institutions there, interacting with students, and observing the accreditation process. I was representing India in this initiative. Through this experience, I was able to understand how different countries establish their accreditation systems. For example, Nepal is looking to join the Washington Accord, and I have been nominated by the National Board for Accreditation (NBA) as a mentor to Nepal. I've already visited Nepal once officially to assist them in developing an impartial and neutral body for accreditation.

It has been an enriching experience. However, the main objective behind this process is not just about accreditation. The real goal is to bring about a change in the way we teach and how students learn. This transformation will take time, but it will be beneficial in the long run. If we succeed in making these changes, our students will no longer need to go abroad for higher education. That is the vision we are working toward.

## Outcome-Based Education and Multidisciplinary Learning

**Student:** Can you elaborate on Outcome-Based Education (OBE) and how it will be implemented at RUAS?

**Professor R.V. Ranganath:** **Outcome-Based Education (OBE)** is a framework that focuses on

what students learn, rather than just what teachers teach. In this system, we set clear learning goals and define the attributes and outcomes that students should achieve by the end of their program. Teachers then align their teaching methodologies with these outcomes. This approach ensures that education is student-centered, and learning is aligned with real-world needs.

At RUAS, we are already making strides in implementing OBE. Most of the Faculties have introduced elements of OBE. Moving forward, we aim to institutionalize OBE across all disciplines and ensure that every program aligns with the set graduate attributes. This is critical for gaining appropriate accreditation and ensuring that our graduates meet global standards.

In addition, we are exploring more **multidisciplinary projects**. Collaboration between faculties like **Engineering, Health sciences, and Social Sciences** can lead to innovative solutions that bridge various fields. For example, engineering students could collaborate with healthcare students on projects related to material sciences used in both construction and medical applications. Such interdisciplinary learning will foster creativity and problem-solving skills in our students.

**Student:** What are the long-term goals for RUAS under your leadership as Dean of Academics?

**Professor R.V. Ranganath:** The long-term goal is to establish **RUAS** as a globally recognized institution for multidisciplinary education. Achieving **Washington Accord** recognized accreditation will not only enhance our students' international mobility but also prepare them for higher education opportunities worldwide. Over the next two years, we will focus on training our faculty and students to participate in the

accreditation process, incorporating **Outcome-Based Education** and fostering **multidisciplinary collaboration**.

By embracing these global standards, we will ensure that our graduates are well-equipped to meet the challenges of the 21st century and contribute meaningfully to global progress.

**Student:** Sir, you mentioned Outcome-Based Education (OBE) and emphasized it a lot. Based on that, where do you think RUAS stands on a scale of 1 to 10, and where do you see us in the next two years?

**Professor R.V. Ranganath:** Difficulty to quantify, on a scale of 1 to 10, we are probably at a 5 or 6 right now.

In principle, we are implementing Outcome-Based Education, but it must translate into real, evidence-based results. It's not enough that I, as a practicing OBE educator, say we are doing it. There must be visible evidence. We will move towards an 8 or 9 in the next two years. Initiatives and training for teachers are happening concurrently. There is a lot of work involved. We need to define specific outcomes for each course. Faculty members are required to write outcomes for their courses and develop appropriate assessments aligned with those outcomes. This is a major transformation in our curriculum development process. By the time we fully implement this, both faculty and students will be better prepared.

Additionally, there is the **International Engineering Alliance (IEA)**, which includes 22 countries that discuss various engineering education issues. One of the things they focus on is defining the differences between educational levels: a **technologist** (with a diploma), a **graduate engineer** (B.Tech or M.Tech), and a

**technician** (such as someone with an ITI certification).

In some countries, a "technologist" is someone with a three-year diploma, while we may consider a B.Tech or M.Tech as a higher degree. A **technician** works on standard operating procedures, knowing how to troubleshoot and fix basic issues, but they are not necessarily developing solutions to complex engineering problems. That is the distinction we need to make.

Though the levels are different, the core attributes - such as engineering knowledge, problem analysis, design, and development - are the same for both graduate engineers and technicians. These fundamental attributes are expected at all levels of education. The attributes are consistent; the difference lies in the depth of knowledge, the application of that knowledge, and the complexity of the problems being addressed.

When designing the curriculum, I ask myself how we can ensure students solve engineering problems and align their solutions with real-world needs. For instance, in your minor or major projects, you may tackle complex engineering problems and find solutions. However, we now expect you to evaluate the **sustainability impacts** of those solutions - whether in terms of **health**, **safety**, or the **environment**. You must consider the **17 Sustainable Development Goals (SDGs)**.

For instance, **computer science** students may focus on certain SDGs, while **civil engineering** students may focus on others. This alignment is something we are working toward, integrating SDGs into the engineering curriculum.

Students in other countries - such as Dublin, Singapore, the US, and Peru - are also aligning

their projects with SDGs. Around 25 countries are now involved in this process.

There is also the **National Credit Framework** initiative, which proposes that 30 hours of work will count as one credit. This is not just about what I teach you in class. For example, a teacher may teach for one hour, but what else do you do to reinforce that learning? This is where activities outside the classroom come into play. These activities will be evaluated and added to your portfolio. Your learning journey will be tracked and represented through a stacked portfolio, giving us a comprehensive record of your progress.

Currently, we evaluate your learning through tests, exams, and assignments. While these methods serve a purpose, they are not sufficient. What we need to focus on is how well you have learned the material and applied it. The role of the teacher is to guide you through this process, but the evaluation should go beyond traditional exams.

These philosophical changes are the ones that our faculty members need to embrace. It will take time, and they come from diverse backgrounds, but they are gradually adopting these new approaches. I am confident that these changes, which have already been successfully implemented at few institutions in India will also happen here at RUAS.

**Student:** So, one final question. You mentioned the accreditation for students and how the National Credit Framework will work. Will this system be implemented at RUAS for future batches, or is it already in place?

**Professor R.V. Ranganath:** **Institutional accreditation**, such as that from the **National Assessment and Accreditation Council (NAAC)**, is already in place at RUAS, but this is at



the institutional level. What I am referring to is **program accreditation**. For example, programs such as **BE Computer Science Engineering**, **BE Civil Engineering**, or **BE Mechanical Engineering** will undergo accreditation. Experts will review the syllabus over three days, evaluating whether the curriculum meets the required program outcomes. There are multiple criteria to consider, such as **project management**, **pedagogy**, and **teaching methods**. For instance, if there is no course on project management in the curriculum, the program will be considered deficient. We will assess whether the teaching methods are diverse and whether the pedagogy goes beyond traditional lectures and PowerPoint presentations.

We will also look at how teaching and learning are happening. Is the approach teacher-centric, or are there innovative, active teaching methods being used? These evaluations will ensure that our programs meet the necessary standards and provide a comprehensive and well-rounded education.

**Student:** Sure, sir. Is there any closing remark we can add?

**Professor R.V. Ranganath:** Our primary goal is to improve both the pedagogical approach of teachers and the learning capabilities of students. We will do everything we can to achieve this. The university's role is to provide a good learning experience for students — everything else is secondary. The main course in this “thali” is the teaching-learning process (TLP). We want to improve it in every possible way. We aim to make it simple, enjoyable, and memorable for you.

Thank you, sir, for your inspiring journey. Your vision for the upcoming years will be an exciting one. We look forward to witnessing the continued growth and success of RUAS under Professor Ranganath's leadership as Dean, academics and the exciting developments ahead.

## Distinguished Visitors



**Dr Elsa Sanatombi Devi** visited our campus on 27th of December to interact with the dental students and sensitize them on importance of cultural humility while caring for patients. Dr Elsa Sanatombi Devi, Director of MAHE FAIMER international institute for Leadership in Interprofessional Education, MAHE, Manipal. Dr Elsa went on to receive the most prestigious National Florence Nightingale award from the hands of the President of India, Shri Draupadi Murmu, on 7th November 2022 for the extensive contributions toward her profession and community at large.

**Iron woman Dr. Usha Hegde** of Mysuru graced our institute with her presence as an examiner to FDS on 10th and 11th December 2024 and shared her valuable experience on her passion for hiking.

Dr. Usha Hegde, a professor, became the first civilian from Karnataka to scale Mount Everest. At 6.10 a.m. on May 19, Dr. Usha Hegde, a professor at JSS Dental College in Mysuru, etched history by becoming the first civilian from not only

Mysuru, but entire Karnataka to scale Mount Everest, the tallest peak in the world, standing at a height of 29,031 ft. A mother of two students of medicine and wife of an orthopaedic doctor, Dr. Usha realised her dream of reaching the 'top of the world' at the age of 52. Major Smitha Lakshman, who was part of an Army team, is the only other woman mountaineer from Karnataka to reach the peak of Mt. Everest in 2012. Dr. Usha is the first civilian from the State to have accomplished the 'Himalayan feat', according to mountaineers and adventure sports enthusiasts from Mysuru.

### Dr. Usha Hegde's Message to Students



As you navigate through your academic journey, remember that each step you take today is building the foundation for the future you dream of. Your education is not just about acquiring knowledge; it is about shaping your mindset, sharpening your skills, and unlocking your potential. Every challenge you face, every concept you master, and every project you complete is a step toward becoming the person you aspire to be.



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# BEYOND THE CLASSROOM



Learning beyond classrooms has been a regular teaching learning methodology that RUAS has adopted since its inception. These activities bridge academia and real-world applications, enhancing practical learning, skill development, and career clarity. They foster innovation, networking, and exposure to workplace culture. Hands-on experiences improve problem-solving, communication, and adaptability. Such visits strengthen industry-academia collaboration, ensuring students are well-prepared for professional challenges and future career opportunities.

### Industrial Visit to Shivamogga Enhances Practical Learning



The Department of Food Technology, Ramaiah University, organized a four-day industrial visit to ICAR-KVK and KSN UAHS, Shivamogga, for M.Sc. Food Science and Technology, and Food Nutrition and Dietetics students. The visit covered cashew apple processing, millet-based functional foods, and pineapple and ginger processing, providing hands-on exposure to sustainable food practices.

### MHA 2023 Batch Visits Halasuru Referral Hospital for Industrial Study



The MHA 2023 batch students visited Halasuru Referral Hospital **26th November 2024**, located on Cambridge Road, Udani Layout, Bengaluru, Karnataka. This visit provided an invaluable learning experience for hospital administration students, enhancing their understanding of the functional scope and capabilities of public healthcare institutions. It offered practical exposure to specialized healthcare services, equipping students with essential knowledge for future leadership roles in hospital management.

### Industrial Visit to Ella Foods, Malur



On November 27, 2024, third-year B.Sc. Food Processing Technology students from RUAS visited Ella Foods, Malur, a Bharat Biotech venture. Students explored mango processing, grading, gamma irradiation, and packaging. They also learned advanced roasting, flavoring, and cryogenic spice processing techniques, highlighting innovation in food processing technologies.

## Industrial Visit to Krushi Mela, GKVK



On November 16, 2024, B.Sc. Food Technology students (Batch 2022), FLAHS, RUAS, attended the Krushi Mela at GKVK College, Bangalore, gaining insights into agriculture, food processing, and sustainability. The event featured live demonstrations, interactive sessions, and expert engagements, allowing students to explore innovative farming techniques, value-added products, and emerging technologies in food quality enhancement.

## Field Visit to Clarks Exotica: Exploring Hospitality & Guest Relations



1st October - A field visit was organised to Clarks Exotica Convention Resort & Spa by Faculty of Hospitality Management & Catering Technology which was organised by the Department of Front Office for VII semester students specializing in GRM- Guest Relations Management. The purpose of the visit to Clarks Exotica Convention Resort & Spa was to understand the real-time quality of services, facilities, and guest experience offered by the resort.

## Industry Visit to ITC Windsor: Sustainable Luxury & Hospitality Insights

25th October - 37 students from the 2021 and 2022 batches, accompanied by faculty, visited the ITC Windsor Bengaluru. Welcomed by L&D Manager Ms. Namrata Ghosh, they learned about ITC's core values, sustainable luxury practices, and guest satisfaction focus. The visit highlighted ITC's commitment to sustainability through initiatives like LEED Zero Certification and guest-centric services like Eva Floors.

## Industrial Visit to India Food Park, Tumkuru



On September 28, 2024, 3rd Year B.Sc. Food Processing and Technology students from the Department of Food Technology, FLAHS, RUAS, visited India Food Park, Tumkuru, for comprehensive industry exposure. The visit included three key units: Kantoor Foods (Rice Mill), where students explored sustainable rice production techniques; So Green Agro (Cold Chain Processing), which provided insights into the role of cold chain management in food safety; and Beyond Snacks (Banana Chips), where they observed innovative methods for producing ultra-thin banana chips.



## Industrial Visits by Mechanical Engineering Department



- U.R. Rao Satellite Centre, ISRO, Bengaluru (December 24, 2024) - 2nd & 3rd Year Robotics students.
- M/S Fanuc India, Bommasandra, Bengaluru (November 27, 2024) - 2nd Year Mechanical & Robotics students.
- Mitutoyo South Asia Pvt. Ltd., Bengaluru (December 23, 2024) - 3rd Year Mechanical students.
- Rapsri Engineering Products Company Pvt. Ltd., Bengaluru (December 20, 2024) - 2nd Year Mechanical students.

## RINER Celebrated "World Mental Health Day"



On October 10, 2024, RAMAIAH INSTITUTE OF NURSING EDUCATION AND RESEARCH, Mental Health Nursing Department Celebrated World Mental Health Day under the global theme of "IT IS TIME TO PRIORITIZE MENTAL HEALTH AT WORKPLACE". The event aimed to raise awareness about mental health issues in the workplace, provide tools to manage stress and emotional well-being, and foster a supportive work environment.

## Industrial Visit to Jeevitha Enterprise – Jeeni Millet Health Mix, Tumkur

The 3rd semester M.Sc. (Food Science and Technology) students from the Department of Food Technology, FLAHS, RUAS, visited Jeevitha Enterprise – Jeeni Millet Health Mix, Tumkur, for an industrial exposure to millet-based product processing. Students gained insights into quality control, packaging techniques, and the nutritional significance of millets. They observed the production of Jeeni health mix, learning about its market potential and processing challenges.

## FDS Celebrated World Endodontic Day



The department of Conservative Dentistry and Endodontics celebrated World Endodontic Day on 18th & 19th November 2024. Root Canal Treatment and Awareness Camp' was conducted to promote awareness of the importance of Endodontics and highlight the significance of timely dental check-ups. Treatment including direct restorations and root canal treatment was successfully completed for over 35 staff members. Also, the department collaborated with Department of Physiotherapy, MS Ramaiah University to deliver a seminar of 'Ergonomics in Dentistry'. Dr. Betty Thomas, lecturer, department of Physiotherapy, MS Ramaiah College of Physiotherapy, was invited as guest speaker for the seminar.

## RCPT celebrated “World Cerebral Palsy Day”



On World Cerebral Palsy Day, RCPT organized a student activity on October 9, 2024, featuring a model-making competition and a taboo game to promote awareness and inclusivity. Additionally, on October 19, 2024, RCPT hosted a CME titled Exploring CP, Expanding Horizons, attended by over 40 participants. Esteemed speakers discussed key topics such as early CP detection, musculoskeletal and gait issues, orthotics prescription, and parasports opportunities for children with CP.

## RCPT observed “World Spine Day”



RCPT celebrated “World Spine Day” on October 16, 2024, with a series of engaging student activities. The event featured ‘Task Master Twist’ and ‘Silent Spine Show’, promoting spinal awareness and healthy practices. Additionally, a free screening camp for back care was organized, providing an opportunity for participants to assess their spinal health and receive expert advice from our physiotherapy students and faculty.”

## Department of Endocrinology, RMC observed World Diabetes Day 2024



Department of Endocrinology, Ramaiah Medical College organised a walkathon and awareness programme on World Diabetes Day 2024 at Ramaiah Memorial Hospital and Ramaiah Medical College on 14th November 2024.

## Department of Dermatology, RMC Celebrated World AIDS Day 2024



The Department of Dermatology, RMC commemorated World AIDS day on 06/12/2024 by enacting an educative role play performed by the post graduate students at Ramaiah institute of nursing education and research to raise awareness and promote education about HIV/AIDS among the students.

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# RUAS COLLABORATION WITH EXTERNAL & INTERNATIONAL PLATFORMS





## Departments of Pediatrics, OBG, Nursing, and Community Medicine, RMC Receive Certificate of Achievement from BPNI for World Breastfeeding Week Celebrations 2024



## MoU with Janatics: Inauguration of MSRUAS - JANATICS Authorized Training Center for Automation Technologies and MoU signing with M/S Janatics, Coimbatore, Tamil Nadu (October 7, 2024).



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# RESEARCH AND INNOVATION



The Office of Research and Innovation (ORI) serves as a central entity within the University, stringing together five pivotal aspects of nurturing and fostering world-class research and innovation. Starting with running the Doctoral program, ORI provides dynamic platforms and opportunities for research scholars and faculty to collaborate on cutting-edge research topics, identification and dissemination of funding opportunities, the development of prototype technologies, and the translation of research into impactful real-world solutions, identifying key ideas into intellectual property for the University and establishing meaningful partnerships with government and private funding agencies for research funding and collaborations. A number of new initiatives were rolled out in the last quarter of the year,

## Key Events and Initiatives

1. Annual Research Scholars Symposium, “Shodh” – August 8-9th 2025, as a first of its kind conclave of Research
2. Grants News Letter, “ORCHID” to disseminate information related to external funding opportunities and fellowships for students
3. A weekly cadence to listen to the scholars and faculty members
4. Facilitating research infrastructure needs with a listing of All the capital equipment
5. Intellectual Property Rights (IPR) Training: A hands-on session on Prior Art Search was conducted on September 27th.
6. Workshop on Advances in 3D Printing Innovations: Held on October 23rd, this workshop focused on additive manufacturing for biomedical applications and featured distinguished speakers.
7. Expert Lecture on Battery Technologies: On December 14th, Dr. Srinath Chakravarthy, Director at Factorial Energy, Boston, USA, delivered a talk on advancements in battery technologies.
8. Grant Writing Workshop: Prof. Vikram Jayaram from the Indian Institute of Science, Bangalore, provided expert insights into grant writing on December 14th.
9. International Collaborations: ORI hosted a visit from the Australian National University, Canberra, on 20th November 2024
10. Guest lectures by Prof. Sanjay Sampath and Prof. Dilip Gersappe, form State University of New York at Stony Brook, USA – 23rd of December 2025.

The year ended with the graduation of 32 PhD Scholars from 9 departments in the University. The research funding (both intra-mural and extra-mural) resulted in tangible output in terms of publications and patents as well as brought in capital equipment and software for the use of researchers. A glimpse of the vibrant ecosystem of research is shared is reflected via the published papers, filed and granted patents, sponsored research projects that were sanctioned to researchers, amongst others.

## Sponsored Research Projects

- System for Automation of Groundnut Crop Production - FLAHS
- Development of EEG based biometric systems to identify friend and foe in defence applications – FET\_CSA
- Improving the wireless power transmission system for performance of electric scooters – FET-EE

- Development of fire retardant paints for defence applications – FET-Mech Engineering
- Mathematical model for development of blood flow across cerebral aneurysm – FNS-Mathematics
- Novel thermal management system using conducting polymers for efficient cooling for the soldiers clothing – FNS-Chemistry
- World Bank Project to train Doctors from the North Eastern Indian Doctors in Meghalaya – RMC

## Patents Published

- Smart Wearable Emotion Support System – Chindanur Narendra Babu (22-10-2024)
- Methods, System, and Apparatus for Inline Pipe Inspection – Nithin Venkataramana (1-10-2024)
- Infrared-Based Tomography Device for Finger Fracture Detection – Preetam Shankpal (9-10-2024)
- Method and Composition to Improve Antibacterial Activity and Surface Micro-Hardness of Root Canal – Pushpalatha (1-12-2024)
- Methods, System, and Apparatus for Development of MIMO Communication Node Using GNU Radio – Muppala Kalyan (2-12-2024)
- Permanent Magnet Switched Repulsive Motor for High Torque and Autonomous Power Supply Unit – Abhinandan U. Naik (8-12-2024)

## Published Research Work

1. PhD Scholar Mr. Akshay Arjun's Research: His work titled "Leveraging Photosensitive and Thermally Stable Luminescent Ba<sub>2</sub>ZnWO<sub>6</sub>:Eu<sup>3+</sup>, M<sup>+</sup> (M<sup>+</sup>= Na, K, and Li) Nanophosphor for Targeted Non-Invasive and Stain-Free Visualization of Cracked Tooth Syndrome" has been published in **Materials Today Nano (Impact factor: 8.2, Q1)**.
2. Journal of Rare Earths Publication: The article "Exploring One Material for Dual Applications: A Red-Emitting Mg<sub>2</sub>GeO<sub>4</sub>:Eu<sup>3+</sup> Nanophosphor for Future Generation Energy-Efficient WLEDs and Dosimetric Applications" was published in the **Journal of Rare Earths (Impact factor: 5.2, Q1)** and featured on the cover of the October 2024 issue (Volume 42, Issue 10).
3. Social Science Research: Dr. Sonali Gupta and Prof. Shivakami Rajan's article, "Be Patient, Don't Complain (Yet): Beyond the Dichotomy of Confronting or Complying with Benevolent Sexism," was published in the **Journal of Autoethnography**.

ORI continues to drive excellence in research and innovation, fostering academic growth and impactful collaborations.

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# STUDENT ACHIEVEMENT CORNER





## Students Shine at Startup Fusion 3.0



Students from the Department of Food Technology, FLAHS, showcased their innovation at **Startup Fusion 3.0**, organized by **The Startup Society** at **Ascend Arena, CFE Heritage Block, GG Campus** on **December 5, 2024**. The **1st Prize** was awarded to **Manya MV, Krishna Priya Krishna Kumar Menon, and Shreyanka PT** (2nd Year, B.Sc. Food Processing Technology) for their product **Ayurvasip**. The **2nd Prize** went to **Shreya G Kashyap, Sneha Herwalkar, and Neha Adiga** (2nd Year, B.Sc. Food Processing Technology) for **Pudi Perfection**.

## IDEATHON' 24 Winners!



**Mr. Kumail Ashraf J Sayyed – (FMC, RUAS) BBA Batch (2023-27)** and **Mr. Mohammed Saad – (FPH, RUAS)** Representing RUAS – Has won **1st Place** in the **IDEATHON Competition** at the

**TiE Global Summit Profile.in** Bengaluru competing against 340+ teams across India. The Idea “**The Waterless Single Use Zero Waste Solid Shampoo Cubes**” earned a cash prize of **₹50,000** and trophy.



On October 16, 2024, B.Sc. (Food Processing Technology) 2nd and 3rd year students of Department of Food Technology participated in a **World Food Day** event organized by the **Indian Institute of Plantation Management**. Our university students bagged **first prize in Smack – Social Media Advertising Competition**, **first and second prize in The Quiz-Whiz Quiz** competition and **third prize in No Oil No Boil Food Preparation**.



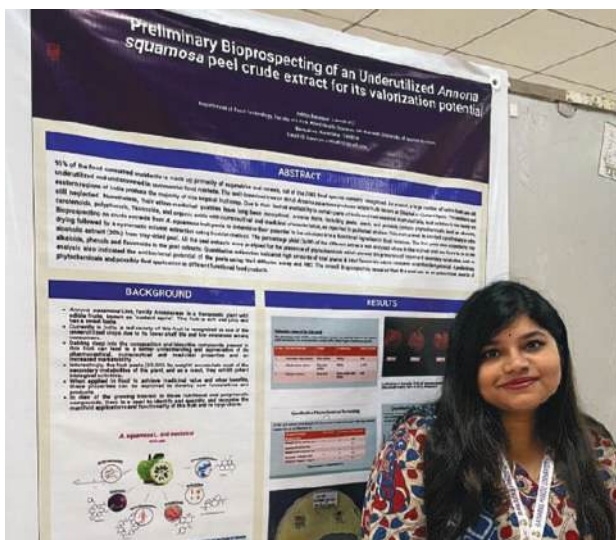
**Mr. Nagarjuna P, MBA, Batch (2024-26)** Awarded for securing **First Place in Speech (Sanskrit) Competition** organized by **Seshadripuram First Grade College** on the **Auspicious Occasion of Bhagawad Gita Jayanti** on **11th December 2024!**





**Ms. Sahana S Joshi, MBA, Batch (2023-25)**  
Awarded the **Budding Performer** at her  
Internship Company – Clippett!

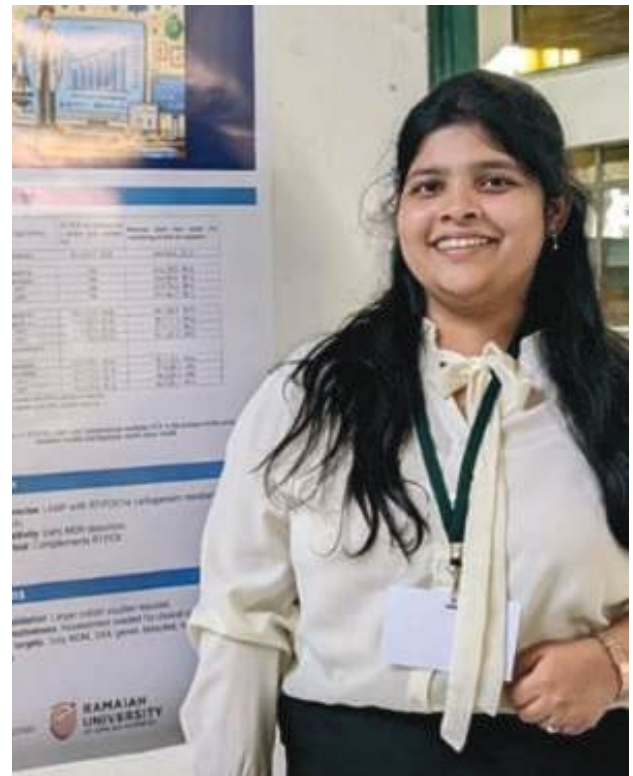
## Best Poster Award for Innovation in Waste & Biomass Valorization



Students from the Department of Food  
Technology won the First Prize under the theme  
“Innovation in Waste & Biomass Valorization  
Towards a Sustainable Transition” at the

International Conference on “Emerging  
Paradigm Shifts in Food & Dairy Processing:  
Advances in Food Safety, Quality &  
Sustainability”, held at Banaras Hindu University  
on October 25-26, 2024.

## Travel Grant for ESCMID Global Conference 2024



Ms. Vaishnavi Naik, PhD scholar, Dept. of  
Biotechnology under the guidance of Dr. Tushar  
Shaw, has been awarded a travel grant to attend  
the 35th European Society of Clinical  
Microbiology and Infectious Diseases (ESCMID)  
Global Conference in Vienna, Austria. She will  
present her research on "Genomic Insights into  
*Streptococcus pneumoniae* in Indian Pediatric  
Carriage: Serotype, Virulence, and Antimicrobial  
Resistance Profiles," an ongoing ICMR-funded  
project in Dr. Shaw's lab.

## Best Poster Award at the 6th Global Cancer Summit 2024



Shruti Bandyopadhyaya, Senior Research Associate at Jubilant Biosys and PhD Scholar in the Department of Biotechnology, FLAHS, received the **Best Poster Award** at the **6th Global Cancer Summit - 2024** held on **December 8, 2024**, at **J. N. Tata Auditorium, IISc, Bengaluru**.

## Dr. Norman C. Coleman SIR Fellowship Award



Ms. Kavya P. R., M.Sc. Molecular and Cellular Biology student from the Department of Biotechnology, FLAHS, RUAS, was honored with

the **Dr. Norman C. Coleman SIR Fellowship Award** at the **Interdisciplinary Symposium**, jointly organized by the **Society of Nuclear Medicine and BBC Cure** at **IIT Madras** on **December 10, 2024**.

## RUAS Student Wins Prestigious Poster Award at SURC 2024



Ms Hitha Muthirakkal, B.Sc Biotechnology student, has been awarded a prestigious poster award for her excellent understanding and communication of her scientific project. She is working on "Antimicrobial peptides as novel antibiotics for tackling drug resistance", under the guidance of Dr. Chetana Baliga, DBT-Ramalingaswami Fellow, Department of Biotechnology, FLAHS.



## Young Visionary Leader: Pioneering Change in Healthcare



Dr. Jahnavi N K., pursuing her master's in hospital administration at RUAS established NK Foundation. With the valuable guidance of Dr. Sunanda, their foundation is actively working to enhance women's health services, ensuring quality healthcare reaches those in need. Recently, NK Foundation signed an MoU with Ramaiah Medical College Hospital, strengthening their healthcare initiatives.

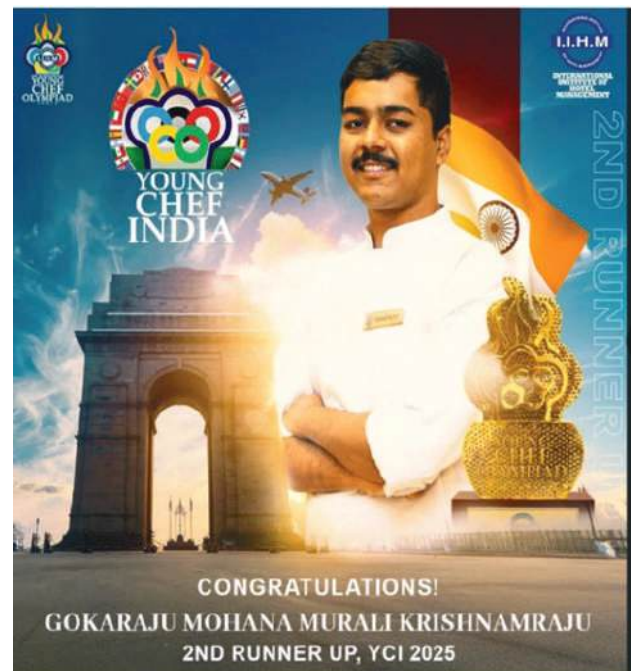
## Ms. Hasani P Gowda Wins Medals and Best Fighter Female Junior Title



Ms. Hasani P Gowda, 1st Year B.A. LL.B (Hons), student from the School of Law, bagged 3 gold and 1 bronze medal and was awarded the title of

Best Fighter Female Junior (below 18 years category) in the 39th National sub-junior - Junior /- 18/Adult/Senior/Veteran Taekwondo ITF Championship 2024, held from 27th December to 29th December 2024 at Panaji, Goa. Ms. Hasani P Gowda has been selected for the selection trials of the 8th South Asian International Level Championship, scheduled to be held in May 2025.

## Culinary Excellence: Mr. Gokaraju Secures 2nd Runner-Up at Young Chef India 2025



On January 4, 2025, the Young Chef India 2025 competition, organized by I.H.M., attracted over 400 young chefs nationwide. Gokaraju, a final-year BHM student at MSRUAS, stood out in the qualifier rounds, securing a top 10 spot in India. Announced as the 2nd Runner-Up by Chef Sanjeev Kapoor, Gokaraju's achievement highlights his dedication, resilience, and talent, inspiring aspiring chefs and hoteliers to aim high.

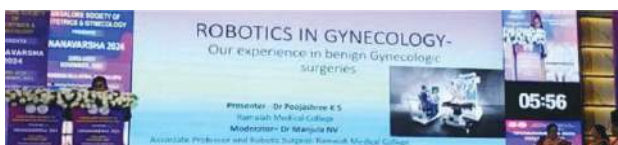
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# FACULTY SPOTLIGHT





**Dr. Ranjith, Assistant Professor in community medicine, RMC** has secured first place in nation level IAPSM contest in Blog writing Competition.



**Dr Poojashree, Assistant Professor, OBG, RMC** received 2nd prize in paper presentation. "Robotic in Gynaecology -our experience in benign Gnanavarsha 2024 Nov held in Radisson Blu, Bangalore.



**Dr. Ananth Ram, Assistant Professor, Community Medicine, RMC** was awarded the Session Best Oral Scientific Presentation Award (Faculty) at the state conference of Karnataka Association of Community Health (KACHCON 2024) held at JSS Medical College, Mysuru.



**Dr Jyothi GS, Prof. & HOD of OBG**, was invited for the meeting held at Vikasa Soudha on 3/10/2024 afternoon on - Accelerating action of 90-70-90 for cervical cancer elimination.



**Dr Harshith Rao, Assistant Professor, Department of Pulmonary & Critical Care Medicine, RMC** received an award and a medal by the honorable Chief justice of India for the best performing doctor in Medical Law and Ethics programme from National law school of India.

**Dr Ananth Bhandary, Prof. & HOD, Ophthalmology, RMC** has been elected as Vice president of Karnataka Ophthalmic Society.





**Dr. V.S. Prakash, Prof. & HOD, Cardiology, RMC** was awarded recognizing exemplary contribution to the health sector at 14th Elets Healthcare Innovation on 24th October 2024.



**Dr. Mahesh, Professor, Nephrology** delivered **Dr. M. K. MANI ORATION** at AIMS Bellur cross.



**Dr Sowmya SV** from Faculty of Dental Science won the Best Oral Presentation award for presenting a scientific paper titled “Cloud Based Predictive Application for the Early Detection and Risk Stratification of Oral Cancer” in the International Conference organized by 6th Global Cancer Summit in JN Tata Auditorium IISc on 8th December 2024.

**Dr. Chatura Mohan** from Faculty of Dental Science was awarded Best paper for her presentation at National Conference of Indian Endodontic Society held in Chennai in October 2024.



**Dr. Sujatha S, Dr. N. Rakesh, Dr. Shwetha V, Dr. Pavan Kumar T, Dr. Haripriya P, and Dr. Sruthy** from the Dept. of Oral Medicine and Radiology , Faculty of Dental Science received 2nd Prize in the Group Category for the Community Service Awards 2024 at the 35th National Conference of the Indian Academy of Oral Medicine & Radiology, held in Mangalore on 22nd-24th November 2024.



**Dr. Pushpanjali Krishnappa** from the Faculty of Dental Sciences has been awarded distinguished Fellow of Pierre Fauchard Academy, International recognizing her outstanding qualifications and contributions to the field. This prestigious honor was conferred in December 2024.





Dr Greeshma C, Assistant Professor, Dept of Periodontology, FDS has received an ICMR grant for the project titled "Development and characterization of a novel silk fibroin-based hydrogel loaded with recombinant human parathormone for osseous regeneration and evaluation of its efficacy in murine models", with a total budget of Rs 89,49,939/- of which Rs 38,16,160/- has been approved for the first year.

Regeneration and tissue engineering have greatly advanced, particularly in targeted drug delivery, focusing on directing signalling molecules for optimal efficacy. In Periodontology, research has centered on host modulatory mechanisms, but there is a gap in drug delivery methods. The aim of this project is to evaluate the potential application of an endogenous hormone as a signalling molecule in regeneration of bone as well as the devise an appropriate delivery modality for the same.

### **FDS - Librarian elected as Secretary to KHSLA (R)**

Dr. Shashidhara. J, Librarian, Faculty of Dental Sciences, RUAS has been elected as a Secretary to "Karnataka Health Science Library Association KHSLA (R) during the Annual General Body Meeting/Election held on Dated-08 Feb 2025 at Rajarajeshwari Medical College, Bengaluru for the period of Three (03) Years from 2025 to 2028.

### **Prof. Savita Ravindra, RCPT appointed to "State Allied and Healthcare Council"**

On December 25, 2024, Professor Savita Ravindra was honored with a nomination as a member of the State Allied and Healthcare Council, representing the charitable institution category. This prestigious recognition acknowledges her commitment to excellence in healthcare and contributions to the community.

**Professor Savita Ravindra and Ms. Soni Satish , RCPT** delivered an insightful online expert talk on "Embedding Evidence-Based Practice in Education: A Project and Contractual Learning Model" on October 26, 2024. This engaging session was part of the AHPE Dialogues series, fostering meaningful discussions and knowledge sharing among healthcare professionals and educators.

**Dr. Sundar Kumar, RCPT** was invited as a panelist for a discussion on stroke rehabilitation, held on October 27, 2024, at DA Pandu Memorial RV Dental College. The event was organized by the Bangalore Physiotherapy Network (BPN) and brought together experts to share their insights on best practices in stroke rehabilitation."



### **Ms. Shobhalakshmi & Mr. Shaswat RCPT played a key role at the Technology – related National Conference**

At the 15th Scientific National Physiotherapy Conference, Embracing AI Technology (November 15-17, 2024), Ms. Shobhalakshmi participated as a panelist in From Bytes to Better Mobility: Integrating Technology into Clinical Practice and delivered an expert talk on Technological Breakthroughs in Managing MSK Pain. Mr. Shashwat Verma contributed as a distinguished panelist and speaker, discussing Leveraging Technology for Better Learning Outcomes and IoT-Based Sensors in Patient Monitoring.

### **Prof. Savita Ravindr, PRCPT a Delivers Keynote Address and Participates in Panel Discussion at a National Conference**

On December 7, 2024, Dr. Savita Ravindra was a distinguished keynote speaker and panelist at the National quizcon 2024 hosted by KM Patil Institute of Physiotherapy. Her address focused on 'Transforming Past Challenges into Future triumphs' offering valuable insights into the evolving landscape of physiotherapy

### **DST-Sponsored 21-Day Capacity Building Training on GIS & Remote Sensing**



The program hosted by JSS Medical College, JSS Academy of Higher Education and Research (JSS AHER), provides foundational training in geospatial technologies, with a focus on using open-source software. It aimed to equip participants with essential knowledge and skills in spatial data management, mapping, and analysis, enabling them to effectively apply geospatial tools in various sectors of health, environment and research.



FMC, Ramaiah University of Applied Sciences (RUAS) is happy to share the receipt of Institutional Excellence Award - 2024 from Project Management Associates (PMA). PMA-India, is a not-for-profit, registered professional body of Project and Business Managers, with the aim of strengthening Project Management in India.

Dr A. Sivathanu Pillai (Padma Bhushan Awardee and Former CEO & MD, BrahMos Aerospace), is the President of PMA-India. PMA-India, is also a member of the International Project Management Association (IPMA).

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Dr. Rahul M Cadambi, selected as Doctoral Advisory Committee (DAC) member for CSIR Labs. Chaired a session at 4th International Conference on Mechanics of Advanced Materials and Structures (December 11-13, 2024, Bangalore, Texas A&M University, Politecnico di Torino).

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Invited talk by Dr. T. Niranjana Prabhu at Yusuf Hamied Chemistry Camp organized by Department of Chemistry in association of Royal Society of Chemistry, Bangalore University on 09-02-2025.

## Early Career Grant- Royal Society of Tropical Medicine and Hygiene



Dr. Aileen J has been awarded a £4,828.50 grant from the Royal Society of Tropical Medicine and Hygiene (RSTMH) in partnership with NIHR as part of the 2024 Early Career Grants programme for her project on integrating technology into antibiotic stewardship in hospital ICUs.

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# ACADEMIC EVENTS AT RUAS







New Wing RALC Surgical Skills Lab Inauguration & Launch of ALC Coffee Table Book held on 10th October 2024

## 17th South Zone CME on Respiratory Medicine: A Resounding Success



The 17th South Zone CME for Postgraduates of Respiratory Medicine, hosted by RMC on November 16, 2024, brought together 213 participants from Karnataka, Andhra Pradesh, and Telangana. The event featured expert-led sessions covering key topics, with special highlights on Lung Ultrasound and Cardiopulmonary Exercise Testing, praised for their clinical relevance.



The Workshop on "Mastering self through Heartfulness Practices" in association with Heartfulness Institute organised 3 day workshop from 19th to 21st November 2024 at RMC Auditorium.



RMC UG Orientation programme Batch 2024-25 held on 14th October 2024 held at Auditorium, RMC

## Department of Radiation Oncology, RMC organized one day CME Programme on 2D Conventional Radiotherapy Planning



Department of Radiation Oncology organized one day CME programme on 2D conventional radiotherapy planning which was attended by delegates from all over India on 5th October 2024 for postgraduate students. We had participants from Chennai, Kurnool, Coimbatore, Mangaluru other than our own namma Bengaluru.

### FDS in association with Health Professionals Education Unit organised a workshop on “Cultural Humility” and “Ethics and Professionalism”



Ethics and Professionalism: A workshop on “Cultural Humility” and “Ethics and Professionalism” by the Health Professionals Education Unit, FDS was conducted on 27th December at the FDS Auditorium for the 3rd year BDS and 1st year MDS students by Dr. Elsa and Dr. Jyotsana.



A CDE programme was conducted by **Department of Periodontology, Faculty of Dental Science on Grafting in Implantology**, on the 23rd December 2024. Dr Arvind UD was the invited guest speaker.

### FDS organized a guest lecture on "Materiovigilance"

The Department of Prosthodontics and Crown and Bridge at RUAS hosted a highly informative guest lecture on the 18th of November 2024, titled " Materiovigilance." The session was delivered by the esteemed Ms. Jeesa George, Assistant Professor, Dept. of Pharmacy Practice, Faculty of Pharmacy, RUAS. Ms. George lecture focused on the intricacies of Materiovigilance. The program's goal is to improve patient safety by collecting and analyzing data on adverse events related to medical devices.



4th Annual ANEI (Association of Nurse Executive India) Patient Safety Conference was held on 26th and 27th September 2024 at Ramaiah Institute of Nursing Education and Research, with the theme "Improving Diagnosis for Patient Safety – Get it Right and Make it Safe."





A pre-conference workshop, "Essentials of Simulation," was held on 26th September in collaboration with Vidyanta Skill Institute at Ramaiah Medical college. Over 75 participants attended this emphasized simulation-based training to enhance clinical skills and decision-making.

## Ignite 101 - E-CELL



The Ignite 101 workshop, hosted by the Entrepreneurship Cell (E-Cell) at FMC RUAS, focused on fostering entrepreneurial skills among participants. The workshop provided insights into the foundational concepts of idea generation, business models and market validation. Attendees engaged in interactive sessions and discussions, enhancing their understanding of the entrepreneurial ecosystem.

## Image Coaching and Soft Skills Training

23rd October - Ms. Indumathi S, image coaching expert and proprietor of Makeupbiography, conducted a workshop on "Image Coaching and Soft Skills Training" for 48 students of Batch 2022-26. The workshop focused on building self-esteem and confidence to prepare students for professional settings. Ms. Indumathi emphasized self-acceptance, embracing uniqueness, and cultivating self-love. Demonstrations covered personal presentation, clothing choices, color coordination, and grooming.

## Workshop on Ancient Wisdom in Modern Nutrition



The Department of Food Technology, FLAHS in collaboration with Mahanasa Multispecialty Clinic, conducted a workshop on "Wisdom Approach to Modern Nutrition" on November 27-28, 2024, for M.Sc. (Food Nutrition and Dietetics) students. The workshop integrated Ayurvedic principles with modern nutrition for health and disease prevention. Hands-on sessions featured recipes like pumpkin hummus and Brahmi tambuli for mental well-being.

## Workshop on Food Quality Analysis and Good Laboratory Practices



The Department of Food Technology in collaboration with Shriram Institute for Industrial Research (SRI), conducted a two-day workshop on "Food Quality Analysis and Good Laboratory Practices (GLP)" on December 5-6, 2024, for M.Sc. Food Science and Technology (2nd Year, 3rd Semester) students.

## RINER Organised Workshop on "Central Venous Catheter Management Skills For Nursing Professionals"



On November 29, 2024, the Department of Medical-Surgical Nursing at Ramaiah Institute of Nursing Education and Research successfully organized a workshop on "Central Venous Catheter Management Skills for Nursing Professionals." A total of 52 participants, representing various hospitals and educational institutions across Bangalore, attended the workshop and gained valuable insights and hands-on experience.

## RINER Conducted Employability Enhancement Training



The Placement cell of RINER, organized two-days Employability Enhancement Training Program on 24th & 25th October 2024 in RINER Auditorium. This programme provided nursing students with essential skills for excelling in healthcare settings. The programme featured 12 structured sessions, each led by experienced healthcare professionals and educators.

## RINER Organized Faculty Development Programme on Introduction To Systematic Reviews & Meta-Analysis



The Ramaiah Institute of Nursing Education and Research successfully conducted a 5-day Faculty Development Program (FDP) on "Introduction to Systematic Reviews & Meta-Analysis" from 9th to 13th December 2024. The program was led by Dr. Denny John, a renowned expert in public health and evidence synthesis, and was attended by ten faculty members.





Guest Talk on Technical Empowerment:  
Organized for 3rd & 4th Year students (November 9, 2024).

## Faculty Development Program (FDP) on Innovation in Artificial Intelligence



Dr. Narashri Yadav  
Honorary Professor,  
Computer Science and  
Automation, JSSC



Gitesh Kulkarni  
Senior Scientist,  
Embedded Devices and  
Intelligent Systems at TCS



Dr. Vaibhav Kumar  
Founder & CEO,  
Ambilio



Isha Menon  
Technical Expert at  
Siemens Technology, India



Bhavya G  
Co-Founder,  
CEO Uplife



Dr. Haritharan Rama Sanga  
Research Director  
Relicure



Renuvankatavarma Sankara  
Scientist – SC,  
CATVAC, IIT – I,  
U R Rao Satellite Center  
Old Airport Road



Neeta Trivedi  
Founder CEO,  
Intelligence Quotient

The Faculty Development Program (FDP) on Innovation in Artificial Intelligence focuses on the latest advancements, techniques, and applications in AI, specifically in the healthcare sector. This initiative serves as a platform for researchers, practitioners, and AI enthusiasts to share knowledge, discuss emerging trends, and foster collaboration on innovative ideas.

The course covers AI in agriculture, industrial automation, software quality, robotics, and healthcare. Highlights include hands-on workshops, research innovations, student achievements, collaborations, and outreach programs promoting AI literacy.

## Embracing Diversity: A Workshop on Cultural Humility, Ethics and Professionalism in Healthcare at Faculty of Dental Sciences

The FDS Health Profession Education unit organized a workshop on cultural humility, ethics, and professionalism for undergraduate and postgraduate dental students. Key takeaways included understanding ethical principles, professional behavior, and reflective practice. Students emphasized applying the knowledge gained to enhance patient care and interprofessional interactions, fostering an inclusive healthcare environment.

## Nobel Prize Lecture Series 2024-2025



**“Proteins as Ingenious chemical tools of life:  
Computational searches and modelling”  
Delivered by Prof. R. Sowdhamini**

The RUAS Nobel Prize Lecture Series 2024-2025 featured Prof. R. Sowdhamini, who discussed computational approaches in protein science. Highlighting advances in protein structure prediction, she emphasized the role of AI, like AlphaFold, in revolutionizing bioinformatics. Prof. Sowdhamini's contributions were celebrated, recognizing her pioneering work in computational biology.

## State Level Competition



The Vidhyarthi Vijnana Manthana (VVM) state-level competition, organized by the Faculty of Natural Sciences, RUAS, and Swadeshi Vijnana Andolana Karnataka on 12th January 2025, featured 120 students from across Karnataka. Students were assessed on experimental and theoretical knowledge. Dr. Udaya Shankara Puranika's talk on cybersecurity was well-received. Winners qualified for the national level, receiving cash prizes and certificates.

## Exhibition



The "Anu Yatra" exhibition, organized by RUAS Faculty of Natural Sciences in association with IGCAR and Swadeshi Vijnana Andolana on 29th January 2025, commemorated the Platinum Jubilee of the Department of Atomic Energy. The event featured technical talks, demonstrations, and student competitions. Dr. Dheepa Srinivasan distributed prizes to winners at the valedictory.

## Report on Alumni Meet Conduction FNS Alumni Meet 2025



The FNS Alumni Meet-2025, organized by MS Ramaiah University of Applied Sciences on 11th January, brought together alumni from graduating batches 2014-2022. The event featured networking sessions, interactive activities, cultural performances, and a buffet lunch. It provided an opportunity for alumni to reconnect, reflect on their journeys, and strengthen their network with faculty and current students.

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# NEWS FROM DIRECTORATES AND CLUBS



## Centre for Entrepreneurship

### Startup Adda with Mayank Nagori

In October 2024, CFE hosted Mayank Nagori, Co-Founder of GudGum, a successful entrepreneur who has bagged four shark deals on Shark Tank India. Gudgum makes plastic free and all natural chewing gum, in its mission towards creating a more plastic-free planet. Students engaged in an incredibly interactive session, asking insightful questions about entrepreneurship, startups, and the journey behind GudGum. The event also had project showcase where student entrepreneurs showcased their venture ideas and received valuable feedback.

### Startup Adda with Somakumar Kolathur

Startup Adda with Somakumar Kolathur", was held in November 2024 at RTC Campus, Peenya. Somakumar, Co-founder of Quantulum Ventures, Monks-of-Method, and Moonraft Innovation Labs (now part of UST Global), shared his journey from intrapreneur to entrepreneur! From the power of "luck vs. skill" to mastering the art of differentiation, attendees left inspired and ready to tackle the world of entrepreneurship. Mr. Kolathur's stories and strategies reminded us that entrepreneurship is not just a career but a way of life.

### Startup Adda with Dr. Janani Venkatraman

November 2024 was also the time for "Startup

Adda with Dr. Janani Venkatraman". Dr Janani is CEO & Co-founder of Biomoneta, an innovative healthcare venture that builds transformational technologies, products and solutions for air decontamination. From insights in biotech to a lively quiz and discussion of student projects, the event was a perfect blend of learning and inspiration!

### Startup Fusion – RUAS Interfaculty Startup Showdown

At Startup Fusion 2024, the semi-annual interfaculty startup contest, CFE hosted Jayanth Narayanan enthralled students and faculty while sharing his journey from tech management to quick service restaurant business. Apart from being a serial entrepreneur and founder of Mani's Dum Biryani, one of the leading QSR chains, Jayanth is also an author of three bestselling books in restaurant space.

### Winning Ideas That Stole the Show

**1st Prize** - Ayurvasip by Krishnapriya Krishnakumar Menon, Shreyanka P T & Manya M V (FLAHS): Revolutionizing healthy eating with a traditional health mix made of millets, dry fruits, and jaggery. Their Arogyamanthrachurna is a powerhouse of medicinal spices boosting immunity and digestion.

**2nd Prize** - Pudi Perfection by Teju H Gowda , Shreya G Kashyap, Jyotsna S , Neha N Adiga & Sneha K H (FLAHS): A modern twist on tradition! Their Mix Seeds Chutneypudi blends taste and nutrition, making every meal healthier and more flavorful.



**3rd Prize** - Snugglyfurs by Harini BL & Monica G (SSS): Redefining pet fashion with stylish and comfy clothing for pets while empowering local tailors and homemakers with every stitch

**Honorable Mention** - Floraflo by Raksha K.S, Sanjana V, Abhinav S, Leisha L Reddy, Arshdeep Singh, Rishika Saha, Tejashri J S, Aliza Irfan & Rakshita Chikkerur (FLAHS): Innovating healthier, eco-friendly sanitary pads made from corn fiber, turning agro-waste into safer solutions for women.

### Mr. D.R. Widder, Vice President Innovation at Babson College, USA, Visit to CFE, RUAS

In December 2024, CFE hosted Mr. D.R. Widder, Vice President Innovation at Babson College USA, at RUAS. His visit marked a pivotal moment in our collaboration, underscoring the shared commitment to advancing entrepreneurial education. During his interactions, Mr. Widder lauded the progress and impact of CFE initiatives, emphasizing the unique and meaningful partnership between RUAS and Babson College. This visit further solidifies our path toward co-creating innovative programs and enriching the entrepreneurial ecosystem. Mr. Widder interacted with the faculty at the Center for Entrepreneurship. He met with the Hon'ble Chairman Dr M.R. Jayaram, Sri M.R. Sreenivasa Murthy, Prof Kuldeep Raina, Mr Aditya Srinivas Prasad and Dr. Sonali Gupta to discuss avenues of collaboration and explore opportunities to further strengthen the partnership between the two institutions.

## Directorate of Student Affairs

### FMMAI National Championship 2024



The FMMAI National Championship 2024, organized by the Federation of Mixed Martial Arts India, Karnataka State MMA Association, SHOR Entertainments, and RUAS, took place on 4th-6th October 2024 at Dwaraka Auditorium. Over 400 athletes showcased their skills in combat, with winners qualifying for international competitions. Rotaract RUAS managed event coordination, providing students with valuable experience in event management and sports promotion.

### Arthritis Awareness Walkathon



On October 20, 2024, Dhee Hospitals, Doctors for Seva, and Youth for Seva organized the "MOVATHON" arthritis awareness walkathon. Rotaract RUAS participated, promoting the importance of physical activity for joint health. The event, with over 250 participants, featured 5K and 10K categories. Rotaract RUAS volunteers assisted in coordination, ensuring safety and distributing perks to participants.

## Nammura Shaale - School Health Program



The NSS RUAS & Rotaract RUAS in collaboration with Ramaiah Medical College and Hospital, Faculty of Dental Sciences, and Rotary Bengaluru Manyata, successfully conducted a two-day oral and school health awareness program “Nammura Shaale” on 09 & 10 Nov 2024. The event took place at Konanakere Tribal Residential School and Valmiki Tribal Residential School, MM Hills, Chamarajnagar. The “Nammura Shaale” initiative was designed to address the essential health needs of children in tribal areas, focusing on oral health and overall well-being.

## LAKSHYAA 3.0 - 3rd Installation of Rotaract RUAS



The LAKSHYAA 3.0 installation ceremony, themed "YASHO PARVA," was held on November 23, 2024, at Ramaiah Medical College. Presided over by Prof. K. K. Raina, the event featured distinguished guests and the introduction of the "Advayam Award Ceremony." The ceremony honored 21 Rotaractors from RUAS for their exceptional contributions to social service, leadership, and community development.

## State Level Quiz Competition





Rotaract RUAS commemorating Constitution Day in association with Rotary District 3192 & School of Law organized state level quiz competition entitled "Power to People".

The event was held in hybrid formats, and brought together 29 teams from across the state, from institutions like Dayanand Sagar University, KLE University, St. Aloysius Pre -University Ramaiah College of Law, Karnataka State Law University, Presidency University, PES University, Rajiv Gandhi College of Law, University of Allahabad, Ramaiah Institute of Legal Studies, BMS College of Law testing their knowledge on topics like the Indian Constitution, history, science, and current affairs.

## Cultural Activity Rajyotsava celebrations



The Kannada Rajyotsava celebrations held on 23rd November 2024 in both campuses was a vibrant display of talent, culture, and unity. Competitions such as Lagori, Chowka Bara, Singing, Poetry, Essay Writing, Speech, Quiz, Short Film (Reels), Photography, Antakshari, Sketching, Painting, Rangoli, Treasure Hunt, Saviruchi (Cooking without Fire), and Tug of War were held.



## RUAS Student Council Installation 2024-25



The installation ceremony of Student Council 2024-2025 was held at the FHMCT Seminar Hall, GG Campus on December 14th 2024. The ceremony began at 10 AM as a momentous occasion for the institution as it marked the formal induction of the newly elected student council members. The incoming council members were sworn in, taking on leadership roles for the academic year.

The Student Council envisions a campus where culture, innovation, and leadership thrive. More student-led initiatives are planned to encourage collaboration and creativity, alongside expanded mental health awareness programs to support student well-being. From fests to forums, the Council is dedicated to making RUAS not just a university but a thriving, inclusive community where every student feels seen, valued, and empowered.



## Student Council 2024 – 2025

President	Ms. Padmini S.
General Secretary	Ms. Hitha Muthirakkal
Vice- President, GG Campus	Mr. Rahul Girish Gangaraj
Vice- President, RT Campus	Mr. Aham Sinha
Cultural Ambassador 1, GG Campus	Mr. Chenchu Nitin Gupta K.
Cultural Ambassador 2, GG Campus	Mr. Manav Doshi
Cultural Ambassador, RT Campus	Mr. Tarun S.
Sports Ambassador, GG Campus	Dr. Venkatesh H G
Sports Ambassador, RT Campus	Ms. Aparnaa S K.
Class Ambassador, GG Campus	Mr. Abhiram M
Class Ambassador, RT Campus	Ms. Bhoomicka DG
Club Ambassador, GG Campus	Ms. Sakshi Kiran Taula
Club Ambassador, RT Campus	Ms. Harshitha U.
Student Welfare Ambassador, GG Campus	Mr. Prantik Pratihar
Student Welfare Ambassador 2, GG Campus	Ms. Yashashwini K.M.
Student Welfare Ambassador, RT Campus`	Mr. Tarun B. S.



## Sports Activities



On the occasion of National Sports Day, Intramural Table Tennis and Chess competitions for students of Gnanagangothri Campus was organized on August 28th & 29th 2024.



Ramaiah Premier League (RPL) was organized for RT campus students between 10th and 16th Nov 2024. Over 170 students and 20 faculty and staff were registered for the auction. The matches were held at MSR Ground. A total of 28 group matches were played, where each team played against all other teams with the top 2 teams would play the final.

## Sports Achievements by Students

Gaurav Kumar Rai from Department of MME, FET bagged Gold medal in STRIKING MMA (Senior) in FMMAI Mixed Martial Arts National Championship-2024



Ms. Shehjar Kaul Chowdhury from Department of AAE, FET secured 1st place in the Women's Singles Badminton Tournament. Additionally, Ms. Shehjar Kaul Chowdhury and Mr. Rakshith M from B.Sc. Economics, SSS together won 2nd place in the Mixed Doubles Badminton Tournament.



Women's Badminton team secured 1st place in the State Level Badminton Tournament - SPARDHA-2024



Ms. Jovitha M from AAE Department, FET secured bronze medal in 10 Mtr. Air Rifle Shooting in 15th South Zone Shooting Competition.

## Smart India Hackathon 2024 - Software Edition Finals at RUAS



The Smart India Hackathon (SIH) 2024 - Software Edition Finals, hosted by Ramaiah University of Applied Sciences (RUAS), Bengaluru, spanned two exciting days, from December 11th to 12th, 2024, showcasing creativity, innovation, and technical excellence.

Day 0 (10th December 2024) - The event began with team registrations, equipment checks, and setup verifications to ensure a seamless experience. Participants, mentors, and organizers finalized preparations for the coding marathon ahead.

## CNSS Activities

October 17, 2024:

In collaboration with the Department of Computer Science (FET), CNSS conducted an **“Ethical Hacking” Workshop** as part of **Cyber Security Awareness Month**. Led by Mr. Sudarshan P, Cyber Forensics Expert, and Dr. Govind R. Kadambi, Pro Vice Chancellor (Research) at MSRUAS, the workshop introduced participants to the fundamentals of ethical hacking and cybersecurity practices.



October 19, 2024:

CNSS organized a symposium titled **“India-Tibet Relations and the Future Discourse”**. The symposium featured two panel discussions: First Panel Discussion: **Historical Importance of INDIA-TIBET Relations**. Second Panel Discussion: **Future of the Tibetan Question: INDIA'S Role**







**October 23, 2024:**

CNSS and the Pathfinder Foundation hosted a virtual webinar on “India-Sri Lanka: Multifaceted Relationship”. The discussion examined strategic, economic, and cultural ties between India and Sri Lanka, with insights into the bilateral cooperation’s strengths and challenges.



**October 24, 2024:**

As part of **Cyber Security Awareness Month**, CNSS and the Department of Computer Science and Engineering (FET) organized a workshop titled “**AI Meets the Dark Web: Weaponizing Data for Cyber Attacks**”. Dr. Kaushik Hatti and Dr. Rinki Sharma led the session, focusing on the intersection of AI and cybersecurity.



**October 28, 2024:**

Maj. Gen. J.V Prasad, Director of CNSS, and Lt. Col Pavithran Rajan, Advisor to the CNSS Council, visited HQ ARTRAC in Shimla. The visit focused on strengthening collaborations under the MSRUAS-HQ ARTRAC MoU, covering CNSS programs and MSRUAS UG/PG courses for Army officers.



**October 30, 2024:**

CNSS hosted a webinar titled “**Taiwan in the Indo-Pacific Region: Prospects and Challenges**”, featuring Taiwanese and Indian experts, including Dr. Fu-Kuo Liu, Dr. Mignonne Chan, and Maj. Gen. Jui-Chou Richard Hu. The session provided a comprehensive analysis of Taiwan's strategic role in the Indo-Pacific and its implications for regional security.



**November 5, 2024:**

CNSS, in collaboration with the Department of Data Sciences & Analytics, School of Social Sciences MSRUS, organized a **Panel Discussion on COP-29: “Nationally Determined Contributions and Financing Climate Action”** at RMC, Bengaluru. Chaired by Maj. Gen. J.V. Prasad, the panel included Dr. Tejal Khanitkar, Dr. Aravindhan Nagarajan, and Dr. Denny John, who discussed climate financing, COP significance, and data-driven analysis.



**November 19, 2024:**

CNSS, in collaboration with the School of Law organized a **“CNSS Book Club” “Meet the Author”**, an interactive session with Dr. Anshuman Behera on his book **"Maoist Insurgency, State and People: Overlooked Issues and Unaddressed Grievances"**



**November 26, 2024:**

CNSS and FICCI conducted a Round Table on **"Addressing Skill Gaps in Cyber Threats for Defence Start-ups."** The session focused on cybersecurity in Industry 4.0 and upskilling youth for the Def-tech sector. Moderated by Maj. Gen. J.V. Prasad, it featured industry experts and drew start-up representatives and students.



**December 5, 2024**

Ms. Smita Prakash, renowned journalist and host of the ANI podcast, visited CNSS for an insightful discussion on various national security topics and the Centre's role in fostering applied research.





**December 6, 2024:**

CNSS hosted a Strategic Perspectives talk on **"The Role of HUMINT in National Security"**. Speaker **Col. Hunny Bakshi** emphasized the significance of Human Intelligence in an AI-driven era, sharing experiences and insights.



**December 9, 2024:**

A collaborative meeting between CNSS and the **C.R. Rao Advanced Institute of Mathematics, Statistics, and Computer Science (AIMSCS), Hyderabad** focused on shared research, development, and academic goals. Directors from both organizations introduced their institutions, highlights.



**December 10, 2024:**

CNSS, in collaboration with the Tibet Policy Institute (TPI), hosted a Panel discussion on **"Tibet at the Crossroads: Risks, Repercussions, and the Future"**. Keynote speaker **Mr. Amitabh Mathur** highlighted the significance of December 10 for Tibetans. Experts **Mr. Tempa Gyaltsen Zamlha**, **Dr. Tenzin Desal**, and **Dr. Tenzil Lhadon** shared insights on

environmental contributions, Indian policy on Tibet, and related issues. **Mr. Manoj Kewalramani** chaired the panel, with remarks by Mr. PM Heblikar and Mr. Balasubramanian C.



**December 12-13, 2024:**

CNSS conducted a two-day workshop on **"Negotiations: Theory and Practice"** at the **Counter Insurgency and Jungle Warfare School (CIJWS), Waringte, Silchar**. The workshop, featured experts including Maj. Gen. JV Prasad, Amb. Amit Dasgupta, Col. Pavithran, Ms. Krishnakumari Nair, and Rtn. Chakradhari Sitaram Rowe. The course provided practical insights and strategies to enhance negotiation skills.



**December 16, 2024:**

**CNSS and Ramaiah Group of Institutions (RGI) Heads Meeting at RUAS focused on collaboration.** Chaired by Hon'ble Vice Chancellor Dr. KK Raina, the meeting introduced CNSS's agenda and capabilities. Heads were encouraged to propose department-specific collaborations.

**December 18, 2024:**

CNSS, in collaboration with the Department of Aerospace and Automotive Engineering, hosted a talk on **"Maps, Satellites, and Secrets: The Geospatial World Unveiled"**. Dr. Nithiyanandam, a Geospatial Intelligence expert, shared insights into industry and academia opportunities, emphasizing fields like precision navigation, autonomous systems, and energy-efficient transportation.



**December 19, 2024:**

CNSS, in collaboration with the Department of Computer Science and Engineering, organized a talk on **"Securing National Critical Cyber-Physical Infrastructures: Evolving Landscape"**. Dr. Faruk Kazi, an expert in Cyber Security and Cyber-Physical Systems, discussed cyber-attacks and threats to these infrastructures, highlighting IT and OT system security and kinetic threats.



The Directorate of Professional Development conducted a workshop on 'Communication Skills and Professionalism' for the non-teaching staff of the Faculty of Dental Sciences on February 10, 2025. The workshop aimed to enhance verbal, non-verbal, and written communication, focusing on patient-centered interactions, conflict resolution, and professionalism. It included interactive activities and role-playing to improve skills and foster a positive work environment.



## Miscellaneous



RMC 69th Karnataka Rajyotsava Celebrations held on 7th November 2024 at RMC Auditorium



Ethnic Day 2024 - MBBS Academic Batch 2024-25 held on 7th December, 2024 at RMC Auditorium.

## Niranthara 2024



Niranthara 2024 - Inauguration & Prize Distribution - Ramaiah Hospitals Day 2024 held on 4th December 2024 at Auditorium, Ramaiah Medical College The Chief Guest for the programme was Sri H.G. Dattatreya, The Cultural programme highlight was from renowned playback singer, State Award and Filmfare Award winner Ms. Anuradha Bhat and noted playback singer Mr. Kambada Ranga.

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**ASME Club:** Conducted a workshop on Career Planning for 3rd Year Mechanical & Robotics students (October 23, 2024).

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**Robotics Club & IIT Bombay:** Conducted a Robotics Workshop (October 1, 2024).

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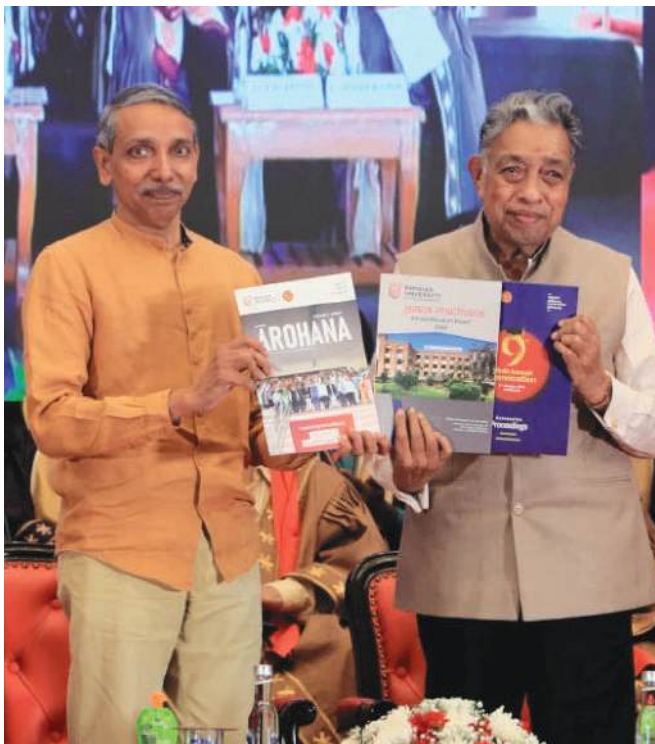


# Sneak Peek: 9th Convocation

More Details in the next issue!!!







# Editorial Team Members of the University Newsletter 2024-2025

S No	Names	Faculty	Designation
1	Prof Kuldeep Kumar Raina	Vice Chancellor	Advisor
2	Dr Pushpanjali K	Dental Sciences	Editor-in-Chief
3	Dr Kiran Kumar B M	Engineering & Technology	Associate Editor
4	Dr Aradhana S Talwar	Social Sciences	Associate Editor
5	Dr Aileen J	Life and Allied Health Sciences	Associate Editor
6	Dr Rajitha Alva	Physiotherapy	Associate Editor
7	Dr Priyanka K P	Mathematical & Physical Sciences	Member
8	Ms Reemi Thakuria	Art & Design	Member
9	Dr Nirajitha Bhaduri	Dental Sciences	Member
10	Mr Monish Suresh	Pharmacy	Student Member
11	Mr John Zachariah	Hotel Management & Catering Technology	Student Member
12	Ms Kushi Narang	Hotel Management & Catering Technology	Student Member
13	Ms Adithi Narayan	Management & Commerce	Student Member
14	Ms Vaishnavi S Rathod	Engineering & Technology	Student Member
15	Ms Bhavana S Naidu	Engineering & Technology	Student Member
16	Mr Selva Sekar	Art & Design	Student Member
17	Mr Prasanna B N	EA, Vice Chancellor's Office, UH	Member







**RAMAIAH**  
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New BEL Road, MSR Nagar, Bengaluru - 560 054.

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Ramaiah Technology Campus (RTC), Peenya :  
#470-P, Peenya Industrial Area, Peenya 4th Phase,  
Bengaluru - 560 058.